

## DOCUMENT RESUME

ED 152 149

HE 009 705

AUTHOR  
TITLE

Engdahl, Lilla E., Comp.  
Approved, Terminated, or Adjusted Doctoral Programs  
at Public Institutions in Western States for the  
Period July 1, 1974 Through June 30, 1977. Report of  
a WICHE Survey of State Higher Education Executive  
Officers.

INSTITUTION

Western Interstate Commission for Higher Education,

SPONS AGENCY  
PUB DATE  
NOTE

Boulder, Colo.

Carnegie Corp. of New York, N.Y.

Jan 78

23p.; Tables may not reproduce well

EDRS PRICE  
DESCRIPTORS

MF-\$0.83 HC-\$1.67 Plus Postage.  
Comparative Statistics; Doctoral Degrees; \*Doctoral  
Programs; Higher Education; National Norms;  
Professional Education; \*Program Evaluation;  
\*Regional Planning; State Universities; \*Statistical  
Data; \*Statistical Surveys; Tables (Data)

IDENTIFIERS

\*United States (West)

## ABSTRACT

This publication is the first regular report of the newly-funded Western Interstate Commission for Higher Education (WICHE) Project on Expanding Regional Cooperation in Graduate and Professional Education. Information about approvals, terminations, and adjustments in doctoral programs from July 1, 1974 to June 30, 1977 was compiled from a survey of State Higher Education Executive Officers in the 13 western states completed in December 1977. From program changes between July 1, 1974 and December 13, 1976, only the program titles and HEGIS codes are requested. For programs undergoing changes after January 1, 1977 data concerning location, description, enrollment, and degrees conferred were gathered. Data provided by the State Education Agencies are presented with no attempt at analysis or conclusions. The ratio of approved doctoral programs to terminated programs in the West is approximately 3.4 to 1 (from this survey for 1974 to 1977) as compared to the national ratio of 5.9 to 1 (for 1971 to 1976). Other than this observation, no clear patterns of changes in doctoral programs are evident from the summary table. (Author)

\*\*\*\*\*  
\* Reproductions supplied by EDRS are the best that can be made \*  
\* from the original document. \*  
\*\*\*\*\*

Alaska Arizona California Colorado Hawaii Idaho Montana Nevada  
New Mexico Wyoming  
Oregon Utah Washington Wyoming  
California Colorado Hawaii Idaho Montana Nevada  
on Utah Washington Wyoming Alaska Arizona California Colorado Hawaii  
Hawaii Idaho Montana Nevada New Mexico Oregon Utah Washington  
on Wyoming Alaska Arizona California Colorado Hawaii Idaho Montana

ED 152149

# PROJECT ON EXPANDING REGIONAL COOPERATION IN GRADUATE AND PROFESSIONAL EDUCATION

**Approved, Terminated, or  
Adjusted Doctoral Programs  
at Public Institutions in  
the Western States**

**WESTERN INTERSTATE  
COMMISSION FOR  
HIGHER EDUCATION**

PERMISSION TO REPRODUCE THIS  
MATERIAL HAS BEEN GRANTED BY

Civiche

TO THE EDUCATIONAL RESOURCES  
INFORMATION CENTER (ERIC) AND  
USERS OF THE ERIC SYSTEM

U.S. DEPARTMENT OF HEALTH,  
EDUCATION & WELFARE  
NATIONAL INSTITUTE OF  
EDUCATION

THIS DOCUMENT HAS BEEN REPRO-  
DUCED EXACTLY AS RECEIVED FROM  
THE PERSON OR ORGANIZATION ORIGIN-  
ATING IT. POINTS OF VIEW OR OPINIONS  
STATED DO NOT NECESSARILY REPRE-  
SENT OFFICIAL NATIONAL INSTITUTE OF  
EDUCATION POSITION OR POLICY.

**JANUARY 1978  
REPORT NUMBER 78-1**

# PROJECT ON EXPANDING REGIONAL COOPERATION IN GRADUATE AND PROFESSIONAL EDUCATION

## Advisory Council

### Alaska

Kerry D. Romesburg  
Executive Director  
Alaska Commission on  
Postsecondary Education

### Arizona

Lela R. Alston  
State Senator  
Arizona State Senate  
William B. Phillips (Alternate)  
Academic Planning Coordinator  
Arizona Board of Regents

### California

Harold Geoghegan  
Principal Program Analyst  
Joint Legislative Budget Committee  
California Legislature  
Patrick Callan  
Director  
California Postsecondary Education  
Commission

### Colorado

J. Russell Nelson  
Acting Chancellor  
University of Colorado at Boulder

Joy Stevenson  
Doctoral Student  
University of Colorado

### Hawaii

Howard P. McKaughan  
Dean of the Graduate School  
University of Hawaii, Manoa

### Idaho

Lawrence H. Rice  
Dean of the Graduate School  
Idaho State University

### Montana

JoEllen Estenson  
State Representative  
Montana State Legislature

### Nevada

Eugene Grotzegut  
Professor of Foreign Languages  
and Literature  
University of Nevada

### New Mexico

McAllister Hull  
Provost  
University of New Mexico

### Oregon

Loren L. Wyss  
Member Executive Committee  
Board of Higher Education

### Utah

Leon McCarry  
Deputy Commissioner  
Utah State Board of Regents

### Washington

Patrick Morgan  
Department of Political Science  
Washington State University

### Wyoming

Patrick Quigley  
Trustee of the University  
of Wyoming

Edward P. Jakubauskas (Alternate)  
Academic Vice President  
University of Wyoming

## Demonstration Coordinating Committee

### Alaska

Timothy Tilsworth  
Assistant to the President  
for Academic Affairs  
University of Alaska

### Idaho

Frank Lundberg  
Governor's Office  
State Capitol

### Montana

Irving E. Dayton  
Deputy Commissioner for  
Academic Affairs  
The Montana University System

### New Mexico

Robert Huff  
Executive Secretary  
Board of Educational Finance

### Oregon

Roy Lieuallen  
Chancellor  
Oregon System of Higher Education

### Washington

William Chance  
Deputy Coordinator  
Council of Postsecondary Education

Demonstration Coordinating Committee also includes asterisked Advisory Council member from each demonstration state

## Staff

### WICHE

Phillip L. Sirotnik, Executive Director  
William R. McConnell, Program Director

### Graduate Education Project

Richard W. Jonson, Project Director  
Cathleen P. Bower, Senior Staff Associate  
Lilla E. Engdahl, Staff Associate  
Cheryl L. Pedersen, Project Secretary

This project is supported in part by a grant from the Carnegie Corporation

APPROVED, TERMINATED, OR ADJUSTED DOCTORAL PROGRAMS  
AT PUBLIC INSTITUTIONS IN WESTERN STATES  
FOR THE PERIOD JULY 1, 1974 THOROUGH JUNE 30, 1977

Report of a WICHE Survey of  
State Higher Education Executive Officers

Compiled by  
Lilla E. Engdahl, Ph.D.

Funded in Part by the Carnegie Corporation

January 1978

Report 78-1

Project on Expanding Regional Cooperation  
in Graduate and Professional Education

Western Interstate Commission for Higher Education  
*An Affirmative Action/Equal Opportunity Employer*

P.O. Drawer P

Boulder, Colorado 80302

## Acknowledgements

This report Approved, Terminated, or Adjusted Doctoral Programs at Public Institutions in Western States is intended to assist educators by providing regionwide information about doctoral program changes from July 1, 1974 to June 30, 1977. The report would not have been possible without the interest and cooperation of the persons from State Higher Education Agencies who responded to our survey. We extend our thanks to them.

Alaska Commission on Postsecondary Education--Tom Healey, Planning and Research Coordinator

Arizona Board of Regents--Lawrence E. Woodall, Executive Coordinator

California Postsecondary Education Commission--Norman Charles, Higher Education Specialist

Colorado Commission on Higher Education--Mary Kay Hudson, Assistant Program Coordinator

Board of Regents, University of Hawaii--E.A. Kay, Associate Dean, Graduate Division

Idaho State Board of Education--Cliff Trump, Deputy Director for Academic Planning

Montana Board of Regents for Higher Education--Irving E. Dayton, Deputy Commissioner for Academic Affairs

University of Nevada System--Donald Baepler, Acting Chancellor

New Mexico Board of Educational Finance--Robert Rhodes, Academic Coordinator

Oregon Educational Coordinating System--Christina Batari, Oregon State System of Higher Education

Utah State Board of Regents--Leon R. McCarry, Deputy Commissioner

Washington Council for Postsecondary Education--Keith Pailthorpe, Educational Planner

Wyoming Higher Education Council--R.J. McColloch, Dean, Graduate School  
University of Wyoming

## INTRODUCTION TO THE TABLES

This publication is the first regular report of the newly funded WICHE Project on Expanding Regional Cooperation in Graduate and Professional Education. Information on this report about approvals, terminations, and adjustments in doctoral programs from July 1, 1974 to June 30, 1977 was compiled from a survey of State Higher Education Executive Officers in the thirteen western states completed in December 1977. For program changes between July 1, 1974 and December 13, 1976, only the program titles and HEGIS Codes were requested. For programs undergoing changes after January 1, 1977 data concerning location, description, enrollment, and degrees conferred were gathered. Similar information about doctoral program changes will be collected each January and July (covering the previous six month period) so that current information can be made available regularly to educators in the WICHE region. Future surveys and reports will include information on in-process program review activities (both approvals and terminations).

This report presents information and data provided by the State Higher Education Agencies with no attempt at analysis or conclusions. It should be noted that the ratio of approved doctoral programs to terminated programs in the West is approximately 3:4 to 1 (from this survey for 1974 to 1977) as compared to the national ratio\* of 5.9 to 1 (for 1971 to 1976). Other than this observation no clear patterns of changes in doctoral programs are evident from the summary table.

Additional services of this project include: (1) the ad hoc collection of specific program status information in response to requests from State Higher Education Agencies, and (2) the planned publication of an Inventory of Doctoral Programs in the thirteen western states.

---

John W. Ryan, An Inventory of Graduate Programs--1971-76, Special Report No. 42, Washington, D.C.: Council of Graduate Schools in the United States, 1977.

SUMMARY OF DOCTORAL\* PROGRAMS IN THE 13 WESTERN STATES  
APPROVED, TERMINATED, OR ADJUSTED JULY 1, 1974 THROUGH JUNE 30, 1977

State	July 1, 1974 - June 30, 1975		July 1, 1975 - June 30, 1976		July 1, 1976 - Dec. 31, 1976		Jan. 1, 1976 - June 30, 1977		Adjusted
	Approved	Terminated	Approved	Terminated	Approved	Terminated	Approved	Terminated	
ALASKA	None	None	None	None	None	None	None	None	None
ARIZONA	Music Theory Nursing	None	None	None	Mineral Economics	None	Higher Education (Ph.D. & Ed.D.) Applied Mathematics	None	1977--Cellular & Developmental Biology 1977--Ecology & Evolutionary Biology
CALIFORNIA	Clinical Psychology Computing Sciences	None	Medical Anthropology Energy & Resources Social Ecology Sociology Public Administration (DPA)	Criminology	Neurosciences Immunology Library & Information Services	None	Applied Linguistics Mental Health (DMH) Jurisprudence & Social Policy	None	None
COLORADO	Political Science	None	None	None	None	None	None	None	None
HAWAII	None	None	None	None	None	None	None	None	None
IDAHO	None	None	Mechanical Engineering	Agricultural Economics	None	None	None	None	None
MONTANA	None	None	None	None	None	None	None	None	None
NEVADA	None	None	None	None	None	None	Sociology	None	None
NEW MEXICO	None	None	Sociology	None	None	None	None	None	None
OREGON	None	None	Forest Science Urban Studies-Criminal Justice Option Human Genetics	None	None	Home Management Nutrition Metallurgical Engineering	None	None	1976--Consolidated 3 specialized pharmacy programs into Pharmacy
UTAH	Computer Science Pharmacy (Pharm. D.)	None	None	Special Education	None	Nursing	None	None	None
WASHINGTON	Social Welfare	Comparative Psychology (Jan. 1974)	Applied Mathematics	None	None	None	None	Chemistry (Doctor of Arts) at 2 institutions Germanics (Doctor of Arts) Physics (Doctor of Arts)	None
WYOMING	None	None	None	None	None	None	None	None	None

\*Ph.D. unless otherwise indicated.

## DETAILED REPORT BY FOUR DIGIT HEGIS CODE

HEGIS Code	Program	State	Date of Action		
			Approved	Terminated	Adjusted
0100 AGRICULTURE AND NATURAL RESOURCES					
0111 Agricultural Economics, Ph.D.		ID		75-76	
0114 Forest Science, Ph.D.		OR		75-76	
0400 BIOLOGICAL SCIENCES					
0417 Cellular and Developmental Biology, Ph.D. University of Arizona, College of Liberal Arts, Department of Cellular and Developmental Biology. The program in Biology was divided into three separate programs of which this is one.		AZ			76-77
0420 Ecology and Evolutionary Biology, Ph.D. University of Arizona, College of Liberal Arts, Department of Ecology and Evolutionary Biology. The program in Biology was divided into three separate programs. This is one of the new programs. The program provides training in basic and applied organismic, evolutionary, and environmental biology.		AZ			76-77
0422 Human Genetics, Ph.D.		OR		75-76	
0424 Nutrition, Ph.D.		OR			76-77
0425 Neurosciences, Ph.D. University of California, San Francisco		CA		76-77	
0499 Immunology, Ph.D. University of California, Davis		CA		76-77	
0499 Comparative Physiology, Ph.D. University of Washington		WA			74-75
0700 COMPUTER AND INFORMATION SCIENCES					
0701 Computing Sciences, Ph.D. University of California, Davis		CA		74-75	
0701 Computer Science, Ph.D. University of Utah		UT		74-75	

HEGIS Code	Program	State	Date of Action		
			Approved	Terminated	Adjusted
0800 EDUCATION					
0805 Higher Education, Ph.D., Ed.D. University of Arizona, College of Education, Department of Higher Education		AZ	76-77		
<u>Program Description:</u> The program provides both research and applied emphases for administrators, staff officers, or research specialists. It requires competence in statistics and research design. A basic core of courses presents the total field of higher education including all the diverse types and forms of education beyond high school.					
<u>Justification:</u> Although the number of higher education students and institutions may remain stable, the turnover in administrative and staff positions has been high and may lead to a shortage of adequately trained personnel. The growing complexity of the operations of institutions of higher education also contributes to the need for well-trained personnel in institutional management.					
<u>Operative:</u> Anticipated number of degrees to be conferred in the first three years--32. Anticipated number of students to be accepted into the program					
	first year 45 second year 15 third year 18				
0808 Special Education, Ph.D. Utah State University		UT	76-77		
0900 ENGINEERING					
0910 Mechanical Engineering, Ph.D.		ID	75-76		
0925 Metallurgical Engineering, Ph.D.		OR		76-77	
1000 FINE AND APPLIED ARTS					
(1003 Art History, Ph.D. -- under review)		OR			
1004 Music Theory, Ph.D. University of Arizona		AZ	74-75		
1100 Foreign Languages					
1103 Germanics, Doctor of Arts University of Washington, College of Arts and Sciences, Department of Germanics		WA	76-77		
<u>Program Description:</u> The doctoral program, initiated in the fall of 1971, was oriented to the preparation of German instructors for community colleges and senior institutions.					

HEGIS Code	Program	State	Approved	Terminated	Adjusted
1103	Germanics, Doctor of Arts (continued)				
	<u>Justification:</u> Lack of student interest. No new admissions in fall of 1978, phase out of current students. Latest year of operation 1976 with no students enrolled and no degrees conferred in 1976-77.				
1200	HEALTH PROFESSIONS				
1203	Nursing, Ph.D. University of Arizona	AZ	74-75		
1203	Nursing, Ph.D. University of Utah, College of Nursing	UT	76-77		
	<u>Program Description:</u> The purpose of the program is to prepare competent researchers and scholars who can make significant contributions to nursing by advancing the theory, research, and scientific-practice base of the nursing discipline.				
	<u>Justification:</u> Currently, there are 24 Ph.D. nurses in Utah and the projected need is for 62 Ph.D. nurses by 1980-81.				
	<u>Operative:</u> Accepted first students in fall of 1977. Anticipated number of degrees to be conferred in first three years=6. Anticipated number of students to be accepted into program				
	first year 6 second year 10 third year 10				
1211	Pharmacy, Ph.D. Ph.D.s in Pharmaceutical Chemistry, Pharmaceutical Science, Pharmacognosy, Pharmacology and Toxicology, and Pharmacy Administration were combined into Pharmacy Ph.D.	OR	76-77		
1211	Pharmacy, Doctor of Pharmacy University of Utah	UT	74-75		
1299	Mental Health, Doctor of Mental Health University of California, San Francisco, Department of Psychiatry	CA	76-77		
	<u>Program Description:</u> New approach to the training of mental health professionals involving a five-year sequence, the first two years of which is the Master's program in Health and Medical Science at Berkley. The San Francisco segment will provide three years of clinical and related work.				
	<u>Justification:</u> No specific demand figures available. Graduates will be fully qualified to practice in HMO's, Community Mental Health Centers, single or group practice, or for clinical, administrative, or teaching positions in health and educational institutions.				

HEGIS Code	Program	State	Date of Action		
			Approved	Terminated	Adjusted
1299	Mental Health, Doctor of Mental Health (continued)				
	<u>Operative:</u> Winter of 1978. Anticipated number of degrees to be conferred in first three years--10. Anticipated number of students to be accepted into program				
	first year 24				
	second year 24				
	third year 24				
1300	HOME ECONOMICS				
1304	Home Management, Ph.D.	OR	76-77		
1400	LAW				
1499	Jurisprudence and Social Policy, Ph.D. University of California, Berkley, School of Law	CA	76-77		
	<u>Program Description:</u> Interdisciplinary and research oriented, with a focus on the relationship between society and its legal system. Designed to prepare scholars and teachers to study law as a basic social institution, to teach within the context of a liberal education and to deal with broad issues of social and legal policy.				
	<u>Justification:</u> No specific supply and demand estimates available. Good possibilities for employment exist as teachers in undergraduate programs, staff members of governmental agencies, members of law school faculties.				
	<u>Operative:</u> Winter of 1978. Anticipated number of student to be accepted into program				
	first year 15				
	second year 20				
	third year 25				
1500	LETTERS				
1599	Applied Linguistics, Ph.D. University of California, Los Angeles, Department of Linguistics	CA	76-77		
	<u>Program Description:</u> Joint offering of Department of Linguistics and TESL program designed to reunite the fields of linguistics and practical language instruction with a focus on language acquisition.				
15	<u>Justification:</u> 40 academic positions in applied linguistics with fewer than 20 Ph.D.s produced each year. Also designed to prepare researchers and faculty in bilingual education.				

HEGIS Code	Program	State	Date of Action		
			Approved	Terminated	Adjusted

1599 Applied Linguistics, Ph.D. (continued)

Operative: Fall of 1977. Anticipated number of students to be accepted into program:

first year	10
second year	20
third year	30

1600 LIBRARY SCIENCE

1601 Library and Information Sciences, Ph.D.  
University of California, Los Angeles

CA 76-77

1700 MATHEMATICS

1703 Applied Mathematics  
University of Arizona, College of Liberal Arts, Department of Mathematics

DAZ 76-77

Program Description: An interdisciplinary program which will encourage the application of analytical skills to scientific and applied problems. The program will consist of courses already offered by existing departments. Includes individual studies and dissertation in Applied Mathematics

Justification: Observed need in both industry and government for individuals skilled in applied mathematics and a perceived growing need in biological and social sciences for persons skilled in mathematical analysis and modeling.

Operative: Fall of 1977. Anticipated number of degrees to be conferred in first three years--3, Anticipated number of students to be accepted into program

first year	4
second year	12
third year	18

1703 Applied Mathematics, Ph.D.  
University of Washington

WA 75-76

1900 PHYSICAL SCIENCES

1902 Physics, Doctor of Arts  
University of Washington, College of Arts and Sciences, Physics Department

WA 76-77

Program Description: The doctoral program to prepare teachers of physics for community colleges or for senior colleges, initiated spring 1973.

HEGIS Code	Program	State	Date of Action		
			Approved	Terminated	Adjusted
1902	Physics, Doctor of Arts (continued)				
	Justification: Lack of student interest. No new admissions fall 1978, phase out of current students. Three students enrolled 1976. No degrees conferred 1976-77.				
1905	Chemistry, Doctor of Arts				
	University of Washington, College of Arts and Sciences, Chemistry Department	WA	76-77		
	Washington State University, College of Sciences and Arts, Chemistry Department	WA	76-77		
	Program Description: Program oriented to the preparation of chemistry instructors for community colleges or senior colleges.				
	Justification: Lack of student interest. No new admissions fall 1978, phase out of current students. 1976 fall enrollment of 0 and no degrees conferred in 1976-77.				
(1913	Atmospheric Sciences, Ph.D. under review)	OR			
1999	Mineral Economics, Ph.D. University of Arizona	AZ	76-77		
2000	PSYCHOLOGY				
2003	Clinical Psychology University of California, Davis	CA	74-75		
2100	PUBLIC AFFAIRS AND SERVICES				
2102	Public Administration, DPA	CO	75-76		
2104	Social Welfare, Ph.D. University of Washington	WA	74-75		
2200	SOCIAL SCIENCE				
2207	Political Science, Ph.D.	CO	74-75		
2208	Sociology, Ph.D.	NM	75-76		
2208	Sociology, Ph.D. University of Nevada, College of Arts and Science, Sociology Department	NV	76-77		
2209	Criminology, Ph.D. University of California, Berkeley	CA	75-76		
2214	Urban Studies, Criminal Justice Option, Ph.D.	OR	75-76		
19	2299/ Social Ecology, Ph.D. 2399 University of California, Irvine	CA	75-76		

HEGIS Code	Program	State	Date of Action		
			Approved	Terminated	Adjusted
4900	INTERDISCIPLINARY STUDIES				
4999	Medical Anthropology, Ph.D. University of California, Berkley, San Francisco (Joint)	CA	75-76		
4999	Energy and Resources, Ph.D. University of California, Berkley	CA	75-76		
4999	Sociology, Ph.D. University of California, Santa Cruz	CA	75-76		

Description and other details for programs approved, terminated, or adjusted were not collected for program changes made before January 1, 1977.



# WICHE

The Project on Expanding Regional Cooperation in Graduate and Professional Education seeks to contribute to the effectiveness and efficiency of graduate-level education in the West by encouraging and facilitating resource sharing. Project activities include: (1) the development of a data base on graduate education and the capacity for analytic efforts to support planning, and (2) planning activities in six demonstration states to develop new patterns of cooperation and resource sharing at the graduate level.

The Western Interstate Commission for Higher Education (WICHE) is a nonprofit agency created in the 1950s by the governors and legislatures of the 13 western states.

WICHE helps states provide high-quality and cost-effective postsecondary education programs to meet the human resource needs of the states and the education needs of the citizens.

Alaska Arizona California Colorado Hawaii Idaho Montana Nevada  
New Mexico Oregon Utah Wyoming Washington  
California Colorado Hawaii Idaho Montana Nevada New Mexico Oregon Utah Wyoming  
Hawaii Idaho Montana Nevada New Mexico Oregon Utah Wyoming  
Alaska Arizona California Colorado Hawaii Idaho Montana Nevada New Mexico Oregon Utah Wyoming